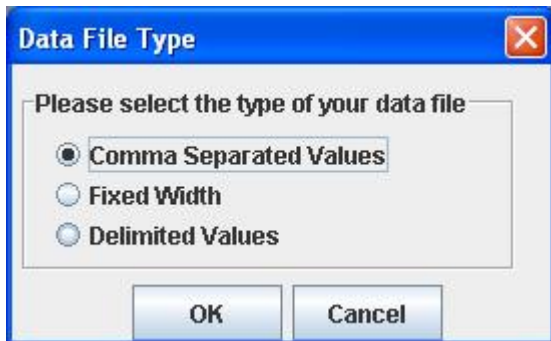
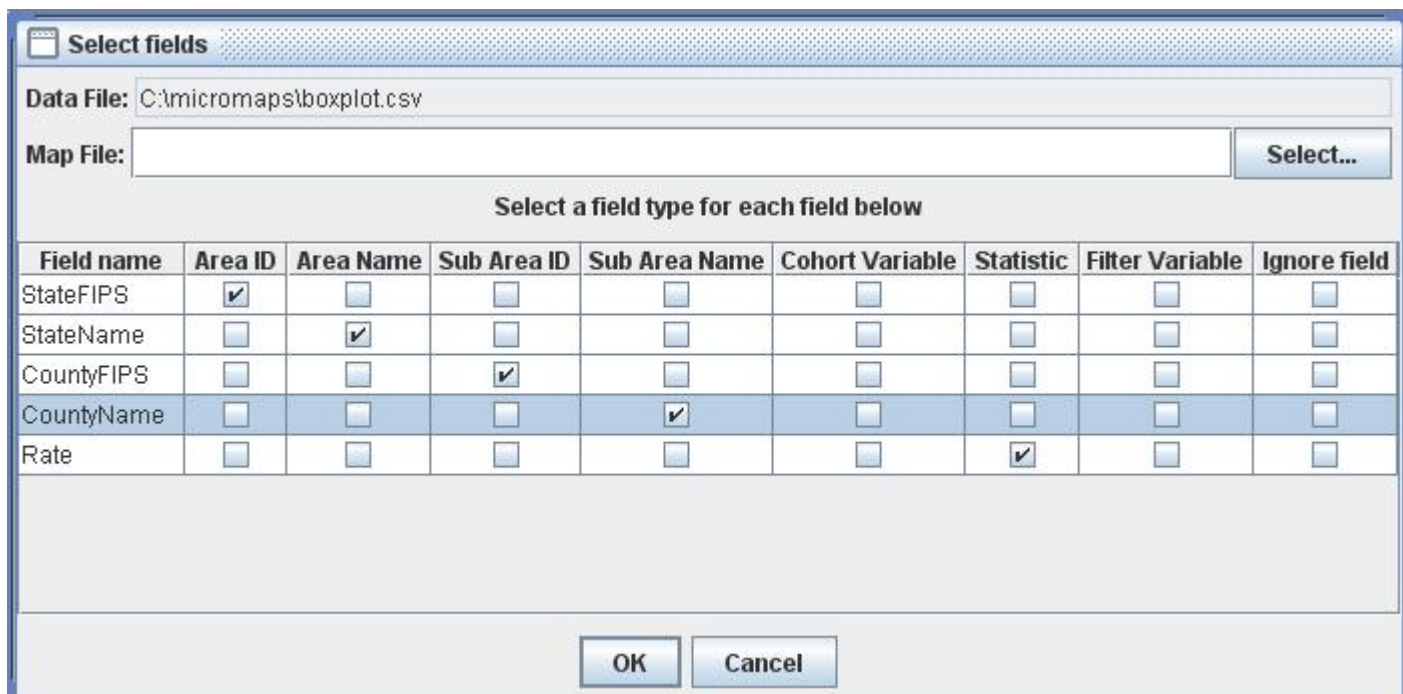


Tutorial D – Box-Plot Without a Gen or Shape File

1. Start **Micromaps**.
2. Go to **File > New Session**



3. Select **Comma Separated Values** (if it is not selected already) and click **OK**.
4. Select the data file (the file browser will look initially in the same directory as the Micromaps.exe file): **boxplot.csv** and click **Open**.
5. Then the **Select Fields** Screen will appear. Make the selections as shown below (note that the StateFIPS field is set to be the "Area ID" and CountyFIPS field is the "Sub Area ID")

A dialog box titled "Select fields" with a close button (X) in the top left corner. It contains a "Data File:" field with the path "C:\micromaps\boxplot.csv" and a "Map File:" field with a "Select..." button. Below these is a section titled "Select a field type for each field below" containing a table with 9 columns: "Field name", "Area ID", "Area Name", "Sub Area ID", "Sub Area Name", "Cohort Variable", "Statistic", "Filter Variable", and "Ignore field". The table has 5 rows of data. At the bottom are "OK" and "Cancel" buttons.

| Field name | Area ID | Area Name | Sub Area ID | Sub Area Name | Cohort Variable | Statistic | Filter Variable | Ignore field |
|------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| StateFIPS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| StateName | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| CountyFIPS | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| CountyName | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rate | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

6. Since this data only has one record per County, the Cohort Variable column is blank.
7. Click **OK**.

8. You should have a screen that looks like this:

The screenshot shows a software window titled 'Graph 1'. It has two tabs: 'Data Selection' (active) and 'Graph Options'. In the 'Data Selection' tab, there is a 'Data file:' field with the path 'C:\micromaps\boxplot.csv' and a 'Map file:' field with a 'Browse...' button. A list on the left shows 'Column 1'. To its right are buttons: 'New column', 'Duplicate column', 'Remove column', 'Rename column', 'Move column up', and 'Move column down'. Further right is a 'Graph type:' dropdown menu and a checkbox labeled 'Lock cohort variables between fields'. At the bottom right, there is a section titled 'Only show areas where:' containing a table with columns 'Variable', 'Selection', and 'Remove'. Below this table is an 'Add Condition' button.

Graph 1

Data Selection Graph Options

Data file: C:\micromaps\boxplot.csv

Map file: Browse...

Column 1

New column

Duplicate column

Remove column

Rename column

Move column up

Move column down

Graph type: [dropdown]

☐ Lock cohort variables between fields

Only show areas where:

| Variable | Selection | Remove |
|----------|-----------|--------|
| | | |

Add Condition

9. Select **Box Plots** from the **Graph Type** List Box.

10. **Rate** will show in the **Statistic** List Box

11. The screen should look like this:

Graph 2

Data Selection | **Graph Options**

Data file: C:\micromaps\boxplot.csv

Map file: **Browse...**

Column 1

- New column
- Duplicate column
- Remove column
- Rename column
- Move column up
- Move column down

Graph type: Box Plots

☐ Lock cohort variables between fields

| Statistic | Rate |
|-----------|------|
| | |

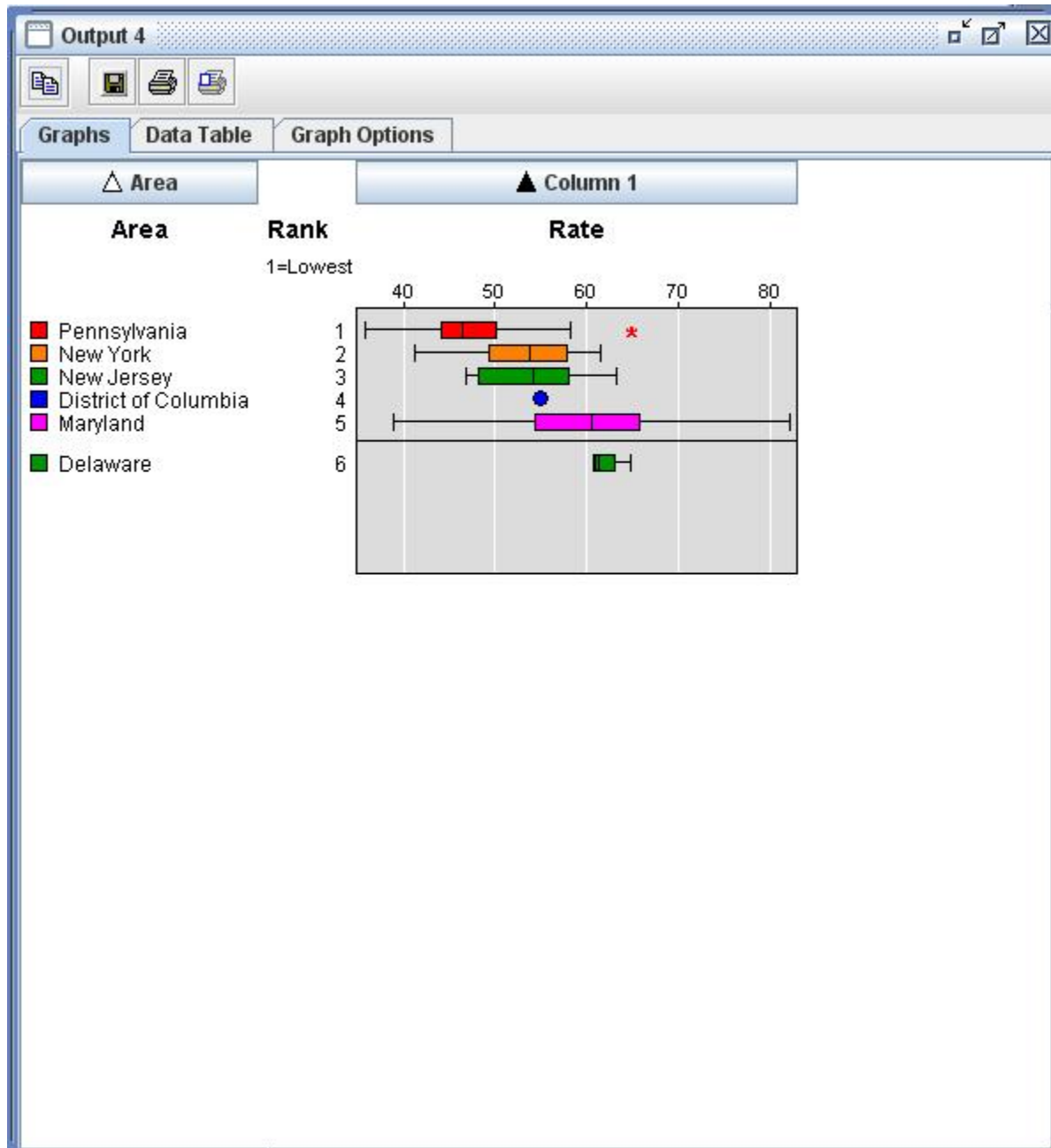
Only show areas where:

| Variable | Selection | Remove |
|----------|-----------|--------|
| | | |

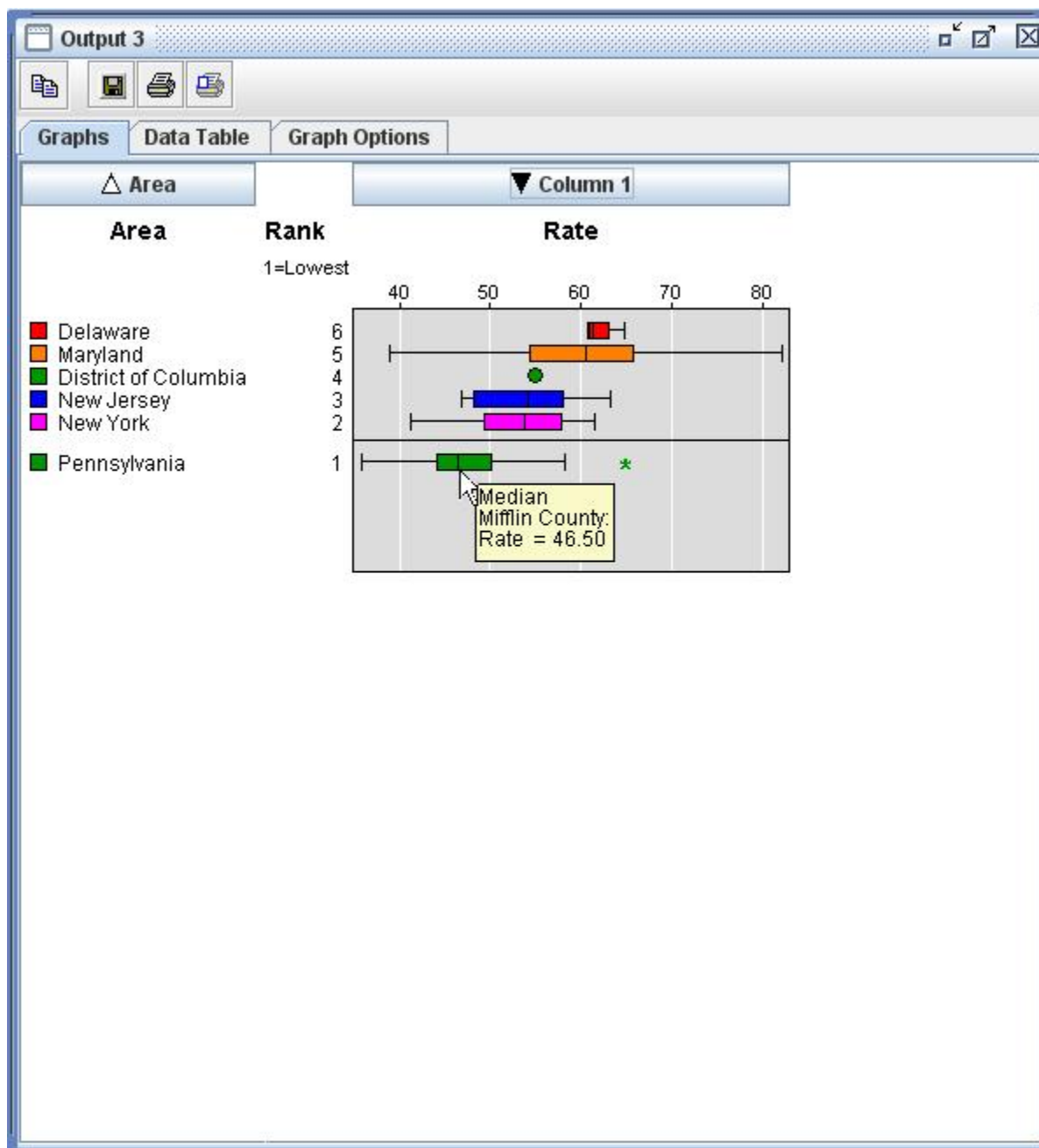
Add Condition

12. Then Click the **Lightning Bolt/Execute** Button.

13. Your result should look like this:



14. By placing the mouse over the various parts of the box-plot you can see what county they represent.



15. You can also see the data for all of the counties/states in the **Data Table**.

| Output 2 | |
|--|--|
|  |  |
|  |  |
| Graphs | Data Table |
| Graph Options | |
| Area | Rate |
| Kent County, Delaware | 60.70 |
| New Castle County, Delaware | 61.30 |
| Sussex County, Delaware | 64.80 |
| Allegany County, Maryland | 55.70 |
| Anne Arundel County, Maryland | 66.40 |
| Baltimore County, Maryland | 60.20 |
| Calvert County, Maryland | 63.60 |
| Caroline County, Maryland | 64.90 |
| Carroll County, Maryland | 51.40 |
| Cecil County, Maryland | 65.30 |
| Charles County, Maryland | 67.90 |
| Dorchester County, Maryland | 68.30 |
| Frederick County, Maryland | 54.20 |
| Garrett County, Maryland | 40.80 |
| Harford County, Maryland | 59.40 |
| Howard County, Maryland | 47.60 |
| Kent County, Maryland | 59.30 |
| Montgomery County, Maryland | 38.80 |
| Prince Georges County, Maryland | 57.20 |
| Queen Annes County, Maryland | 60.70 |
| St. Marys County, Maryland | 61.60 |
| Somerset County, Maryland | 82.10 |
| Talbot County, Maryland | 50.30 |
| Washington County, Maryland | 54.70 |
| Wicomico County, Maryland | 69.80 |
| Worcester County, Maryland | 64.70 |
| Baltimore City, Maryland | 74.80 |
| District of Columbia, District of Columbia | 55.00 |
| Atlantic County, New Jersey | 58.10 |
| Bergen County, New Jersey | 48.00 |
| Burlington County, New Jersey | 56.00 |
| Camden County, New Jersey | 60.10 |
| Cape May County, New Jersey | 58.30 |
| Cumberland County, New Jersey | 55.70 |

16. To save the session, go to the **File Menu – Save Session As** option.

17. To save the graphic, go back to the **Graphs** tab and click the **Disk Icon**.